## Child-Pugh Score

Patient Name: ____________________________  Date: ______________

<table>
<thead>
<tr>
<th>Measure</th>
<th>1 point</th>
<th>2 points</th>
<th>3 points</th>
<th>Units</th>
<th>Patient Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bilirubin (total)</td>
<td>&lt;2</td>
<td>2-3</td>
<td>&gt;3</td>
<td>mg/dl</td>
<td></td>
</tr>
<tr>
<td>Serum albumin</td>
<td>&gt;35</td>
<td>28-35</td>
<td>&lt;28</td>
<td>g/l</td>
<td></td>
</tr>
<tr>
<td>INR</td>
<td>&lt;1.7</td>
<td>1.71-2.20</td>
<td>&gt;2.20</td>
<td>no unit</td>
<td></td>
</tr>
<tr>
<td>Ascites</td>
<td>None</td>
<td>Mild</td>
<td>Severe</td>
<td>no unit</td>
<td></td>
</tr>
<tr>
<td><strong>Hepatic encephalopathy</strong></td>
<td>None</td>
<td>Grade I-II (or suppressed with medication)</td>
<td>Grade III-IV (or refractory)</td>
<td>no unit</td>
<td></td>
</tr>
</tbody>
</table>

Total Points: _________  Class: _________

### Interpretation

<table>
<thead>
<tr>
<th>Points</th>
<th>Class</th>
<th>One year survival</th>
<th>Two year survival</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-6</td>
<td>A</td>
<td>100%</td>
<td>85%</td>
</tr>
<tr>
<td>7-9</td>
<td>B</td>
<td>81%</td>
<td>57%</td>
</tr>
<tr>
<td>10-15</td>
<td>C</td>
<td>45%</td>
<td>35%</td>
</tr>
</tbody>
</table>

MELD Score________

**Encephalopathy Grade** _______

ECOG________

Portal pressure gradient _______ date _______ (below 10 is ideal)

Barcelona Stage _______

### Reason for Cirrhosis

**ETOH**

**Viral**  HBV/HCV (circle one)

**Other** ________________________________________________

**Co-morbidities** __________________________________________
References:

1 For the calculation of the Child-Pugh score, we applied the commonly used Pugh's modification. The sum of the scoring points from the five clinical parameters (ascites [none = one point, moderate = two points, severe = three points], serum bilirubin [<2 mg/dl = one point, 2–3 mg/dl = two points, >3 mg/dl = three points], albumin [>3.5 g/dl = one point, 2.8–3.5 g/dl = two points, <2.8 g/dl = three points], hepatic encephalopathy [absent = one point, grades 1 and 2 = two points, grades 3 and 4 = three points], and prothrombin index [>70% = one point, 40–70% = two points, <40% = three points]) corresponds to one of three groups of patients with different expected survival (Child-Pugh A = 5–6 points, Child-Pugh B = 7–9 points, Child-Pugh C = 10 or more points).


2 MELD Score = (0.957 * ln(Serum Cr) + 0.378 * ln(Serum Bilirubin) + 1.120 * ln(INR) + 0.643 ) * 10 (if hemodialysis, value for Creatinine is automatically set to 4.0)
http://www.mdcalc.com/meld-score-model-for-end-stage-liver-disease-12-and-older

Encephalopathy grading:
- 1 - altered mood confusion
- 2 – inappropriate behavior, somulence, impending stupor
- 3 – markedly confused but arousable
- 4 - coma

3 ECOG Performance Status:
- 0- Fully active, able to carry on all pre-disease performance without restriction
- 1- Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature, e.g., light house work, office work
- 2- Ambulatory and capable of all selfcare but unable to carry out any work activities. Up and about more than 50% of waking hours
- 3- Capable of only limited selfcare, confined to bed or chair more than 50% of waking hours
- 4- Completely disabled. Cannot carry on any selfcare. Totally confined to bed or chair
- 5- Dead

Hepatocellular Carcinoma Algorithm


Stage 0
PST 0,
Child-Turcotte-Pugh A

Very early stage (0)
Single <2 cm carcinoma in situ

Early stage (A)
Single nodule <5 cm or 3 nodules ≤3 cm, PST 0

Intermediate stage (B)
Multinodular, PST 0

Advanced stage (C)
Portal invasion, N1, M1, PST 1-2

Stage A-C
PST 0-2,
Child-Turcotte-Pugh A or B

Single

Increased portal pressure and elevated bilirubin levels

Yes

Associated diseases

No

Yes

TACE, TARE or TARE
Local Chemo- or Radiotherapy
(Chemo or Bead embolization, Radioembolization)

Sorafenib

Supportive Care

Survival <3 months

Median survival 11-20 months

5-year survival 40%-70%

Stage D
PST >2,
Child-Turcotte-Pugh C

Terminal stage (D)

Stage

Resection
Liver transplantation (CLT or LDLT)
RFA (PEI)
Ablation (SBRT, RF, TABE or TARA)

Salvage

Salvage

*Sequence: TARE, TABE, SBRT ± sorafenib
*Combinations, SBRT, TARE, TABE

Rarely used.
* Confirmation required from RCTs.
SBRT = Stereotactic Body Radiation Therapy

SBRT = Stereotactic Body Radiation Therapy